WHAT IS CLAIMED IS:

1	1. A device for intracorporeal use within a patient's body, comprising:				
2	an implantable scaffold;				
3	at least one source of at least one therapeutic capable agent associated with the				
4	scaffold and configured to release the therapeutic capable agent within the patient's body at a				
5	controlled rate; and				
6	a rate-controlling element layer covering at least a portion of the source and				
7	including at least one therapeutic capable agent and providing for an initial relatively more				
8	rapid release of the at least one therapeutic capable agent therapeutic from the rate-controlling				
9	element layer as well as a sustained, controlled release of the at least one therapeutic capable				
10	agent from the source.				
1	2. A device for intracorporeal use within a patient's body, comprising:				
2	an implantable scaffold;				
3	at least one source of at least one therapeutic capable agent associated with the				
4	scaffold; and				
5	a rate-controlling element disposed adjacent at least a portion of the source				
6	and being configured to control the release of the therapeutic capable agent in the patient's				
7	body at an initial rate and at a subsequent rate relatively slower than the initial rate.				
1	3. A device as in Claim 1 or 2 wherein the rate-controlling element				
2	covers the source.				
1	4. A device as in Claim 1 or 2 wherein the rate-controlling element				
2	covers only a portion of the source.				
1	5. A device as in Claim 1 or 2 wherein the source comprises a reservoir.				
1	6. A device as in Claim 5 wherein the reservoir is at least partially				
2	disposed over the expandable structure.				
1	7. A device as in Claim 1 or 2 wherein the scaffold comprises a tissue				
2	facing and a luminal facing surface.				
1	8. A device as in Claim 7 wherein the reservoir is disposed adjacent the				
2	luminal facing surface.				

1	9. A device as in Claim 7 wherein the reservoir is disposed adjacent the		
2	tissue facing surface.		
1	10. A device for intracorporeal use within a patient's body, comprising:		
2	a radially expansible implantable scaffold having a plurality of regions		
3	exhibiting different mechanical profiles during the expansion of the scaffold and including		
4	relatively lower and relatively higher mechanical profiles; and		
5	a source of at least one therapeutic capable agent comprising a plurality of		
6	segments and disposed adjacent at least a portion of the scaffold.		
1	11. A device as in Claim 10 wherein the segments are disposed adjacent		
2	the relatively lower mechanical profile regions.		
1	12. A device as in Claim 10 wherein the segments are disposed adjacent		
2	the relatively higher mechanical profile regions.		
1	13. A device as in Claim 10 wherein the segments are disposed adjacent		
2	only the regions that do not undergo substantial bending, flexing, stretching, or compressing		
3	upon the expansion of the scaffold.		
1	14. A device as in Claim 10 wherein the segments are disposed adjacent		
2	only the regions that do not undergo more than about 5% of bending, flexing, stretching, or		
3	compressing upon the expansion of the scaffold.		
1	15. A device as in Claim 10 wherein the segments are disposed adjacent		
2	only the regions that undergo substantial bending, flexing, stretching, compressing upon the		
3	expansion of the scaffold.		
1	16. A device as in Claim 10 wherein the areas exhibiting relatively higher		
2	mechanical profile are configured to be in a direct flow of body fluids flowing through the		
3	intracorporeal body.		
1	17. A device as in Claim 10, 13, or 16 further comprising a rate-controlling		
2	element disposed adjacent the scaffold.		
1	18. A device as in Claim 17 wherein the rate-controlling element is		
1 2	disposed adjacent at least a portion of the source.		
_	disposed adjacent at least a perment of the boards.		

1	1:	.9. <i>I</i>	A device as in Claim 17 wherein the rate-controlling element is formed
2	from a nonporous material.		
1	2	20. <i>A</i>	A device as in Claim 18 wherein the rate-controlling element has a
2	variable thickness	ss.	
1	2	21. /	A device as in Claim 20 wherein the rate-controlling element has a
2	greater thickness	s adjace	ent scaffold regions having relatively higher mechanical profile.
1	2	22. <i>A</i>	A device for intracorporeal use within a patient's body, comprising:
2			antable scaffold;
3		•	one source of at least one therapeutic capable agent associated with at
4	least a portion of	f the sc	affold and configured to release the therapeutic capable agent within
5	the patient's bod	dy; and	
6	a	rate-co	ontrolling element disposed adjacent at least a portion of the source
7	and including at	least o	ne disruption sufficiently large to permit material transport to or from
8	the source.		
1	2	23. A	A device as in Claim 22 wherein the at least one disruption is an
2	aperture.		
1	2	24.	A device as in Claim 22 or 23 wherein the at least one disruption is
2	preformed.	-	
1	2	25. <i>2</i>	A device as in Claim 22 or 23 wherein the at least one disruption is
2	formed in the pa		
4	formed in the pa	ationt 5	body.
1	2	26. 1	A device as in Claim 22 or 23 wherein the transport comprises at least
2	one of transport of native fluids to the source or of the therapeutic capable agent from the		
3	source.		
1	2	27.	A device for intracorporeal use within a patient's body, comprising:
2	a	ın impla	antable scaffold;
3	a	it least o	one source of at least one therapeutic capable agent associated with at
4	least a portion of	f the sc	caffold and configured to release the therapeutic capable agent within
5	the patient's body; and		

0	8	a rate-o	controlling element disposed adjacent at least a portion of the source
7	and being confi	gured	to mechanically change upon application of mechanical stress or strain.
1	2	28.	A device for intracorporeal use within a patient's body, comprising:
2	a a	an imp	lantable scaffold;
3	a a	at least	t one source of at least one therapeutic capable agent associated with at
4	least a portion of	of the s	scaffold and configured to release the therapeutic capable agent within
5	the patient's bo	dy; an	d ·
6	ā	a rate-	controlling element disposed adjacent at least a portion of the source
7	and which undergoes a mechanical change upon being implanted in the patient's body.		
1	2	29.	A device as in Claim 27 or 28 wherein the mechanical change is one of
2	mechanical frac	cture.	
1	3	30.	A device as in Claim 27 or 28 wherein the mechanical change is one or
2	change in surfa	ce cha	racteristic.
1	3	31.	A device as in Claim 27 or 28 wherein the mechanical change is one or
2	change in poros	sity.	
1		32.	A device as in Claim 27 wherein the mechanical stress or strain is
2	applied upon th	e bend	ling of the scaffold.
1		33.	A device as in Claim 27 wherein the mechanical stress or strain is
2	applied upon th	e expa	ension of the scaffold.
1	:	34.	A device for intracorporeal use within a patient's body, comprising:
2	:	an imp	plantable scaffold;
3	4	at leas	t one source of at least one therapeutic capable agent associated with at
4	least a portion of	of the	scaffold and configured to release the therapeutic capable agent within
5	the patient's bo	dy; an	d
6	:	a swel	lable rate-controlling element disposed adjacent at least a portion of the
7	source.		
1	:	35.	A device as in Claim 34 wherein the rate-controlling element swells
2	unon exposure	to the	intracorporeal environment.

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A device as in Claim 35 wherein the rate-controlling element is 1 36. configured to release the therapeutic capable agent from the source. 2 A device as in any one of Claims 1, 10, 22, or 27 wherein the device 37. 1 2 comprises a stent. A device as in Claim 37 wherein the stent comprises metallic material. 1 38. A device as in Claim 37 wherein the stent comprises polymeric 39. 1 2 material. A device as in Claim 39 wherein the stent comprises a degradable 40. 1 material. 2 A device as in Claim 39 wherein the stent comprises a non-degradable 1 41. 2 material. A device as in Claim 37 wherein the device is balloon-expandable. 42. 1 A device as in Claim 37 wherein the device is self-expandable. 43. A device as in Claim 37 wherein the source comprises a matrix. 1 44. A device as in Claim 44 wherein the matrix includes a matrix material. 1 45. A device as in any one of Claims 1, 10, 22, 27, or 37 wherein the rate-46. 1 controlling element is formed from a nonporous material. 2 A device as in Claim 46 wherein the porosity of the rate-controlling 1 47. element changes upon implanting in the patient's body. 2 A device as in Claim 1, 10, 22, 27, or 37 wherein the rate-controlling 1 48. 2 element is formed from a porous material. 49. A device as in Claim 46 or 47 wherein the rate-controlling element 1 comprises a parylene polymer or copolymer. 2

A device as in Claim 48 wherein the parylene comprises parylene C.

	1	51. A device as in Claim 46 wherein the rate-controlling element becomes			
	2	at least partially porous upon expansion of the scaffold.			
	1	52. A device as in Claim 46 or 48 wherein a rate of release of the			
	2	therapeutic capable agent from the device in an unexpanded state in the patient's body is			
	3	different than that in an expanded state.			
	1	53. A luminal prosthesis comprising:			
	2	a scaffold which is implantable within a body lumen;			
	3	a substance-containing reservoir positioned over at least a portion of a surface			
T Comp	4	of the scaffold; and			
T. Sand	5	a rate-controlling element layer covering at least a portion of the substance-			
n Illinia	6	containing reservoir, the rate-controlling element layer having the substance dispersed therein			
Herry Agenty	7	and providing for an initial rapid release of the substance from the rate-controlling element			
, sunt	8	layer as well as a sustained, controlled release of the substance from the reservoir.			
-H ana	1	54. A luminal prosthesis comprising:			
	2	a scaffold which is implantable in a body lumen, said scaffold being radially			
	3	expansible and having regions which undergo greater and lesser mechanical stress or strain			
	4	during radial expansion; and			
	5	a substance-containing reservoir or layer comprising individual portions which			
	6	are preferentially positioned over the regions which undergo lesser stress or strain.			
	1	55. A luminal prosthesis as in Claim 54, wherein the substance-containing			
	2	layer is positioned only on those portions of the scaffold that do not substantially bend,			
	3	stretch, or compress when the scaffold is expanded.			
	1	56. A luminal prosthesis as in Claim 54, further comprising a rate-			
	2	controlling element layer formed over at least a portion of the scaffold.			
	1	57. A luminal prosthesis as in Claim 56, wherein the rate-controlling			
	2	element layer is thicker over regions of greater mechanical profile.			
	1	58. A luminal prosthesis comprising:			
	2	a scaffold which is implantable within a body lumen;			

3	a substance-containing reservoir positioned over at least a portion of a surface				
4	of the scaffold; and				
5	a rate-controlling element layer covering at least a portion of the substance-				
6	containing reservoir, the rate-controlling element layer having at least one preformed aperture				
7	which is sufficiently large to permit the transport of body fluids to the substance-containing				
8	reservoir and/or the release of substance from the reservoir.				
1 .	59. A luminal prosthesis comprising:				
2	a scaffold which is implantable within a body lumen;				
3	a substance-containing reservoir positioned over at least a portion of a surface				
4	of the scaffold, and				
5	a rate-controlling element layer covering at least a portion of the substance				
6	containing reservoir, the rate-controlling element layer being configured to fracture when				
7	stressed by substantially bending, expanding, stretching, or compressing of the scaffold.				
1	60. A luminal prosthesis comprising:				
2	a scaffold which is implantable within a body lumen;				
3	a substance-containing reservoir positioned over at least a portion of a surface				
4	of the scaffold; and				
5	a rate-controlling element layer covering at least a portion of the substance				
6	containing reservoir, the rate-controlling element layer being configured to swell to permit				
7	release of substance from the reservoir when exposed to a luminal environment.				
•					
1	61. A luminal prosthesis comprising:				
2	a scaffold which is implantable within a body lumen;				
3	a substance-containing reservoir positioned over at least a portion of a surface				
4	of the scaffold; and				
5	a rate-controlling element positioned over at least a portion of the surface of				
6	the scaffold and covering less than all of the substance containing reservoir.				
1	62. A luminal prosthesis as in any of Claims 53 through 61, wherein the				
2	luminal prosthesis comprises a metal stent.				
1	63. A luminal prosthesis as in Claim 62, wherein the metal stent is balloon				
2	expandable.				

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parylene C.

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1	64. A luminal prosthesis as in Claim 62, wherein the metal stent is self-
2	expanding.
1	65. A luminal prosthesis as in any of Claims 53 through 61 wherein the
2	substance-containing reservoir comprises a matrix layer including the substance dispersed in
3	a matrix material.
1	66. A luminal prosthesis as in Claim 65, wherein the substance and the
2	matrix material have been vapor deposited on the scaffold.
1	67. A luminal prosthesis as in any of Claim 53 through 61, wherein the
2	substance-containing layer consists essentially of a homogeneous layer of the substance.
1	68. A luminal prosthesis as in Claim 67, wherein the substance has been
2	vapor deposited on the scaffold.
1	69. A luminal prosthesis as in any of Claims 53 through 61, wherein the
2	scaffold comprises structural elements having rectangular cross-sections defining four
3	orthogonal surfaces, wherein the drug is positioned on fewer than all of the surfaces.
1	70. A luminal prosthesis as in any of Claims 53 through 61, wherein the
2	rate-controlling element is porous.
1	71. A luminal prosthesis as in any of Claim 53 through 61, wherein the
2	rate-controlling element is nonporous.
1	72. A luminal prosthesis as in any of Claims 53 through 61 further
2	comprising a base layer over at least a portion of the scaffold and at least a portion of the
3	substance-containing layer.
1	73. A luminal prosthesis as in any of Claims 53 through 61, wherein the
2	rate-controlling element layer comprises a parylene polymer or copolymer.
1	74. A luminal prosthesis as in Claim 73, wherein the parylene has been
2	vapor deposited over the scaffold or a portion thereof.

A luminal prosthesis as in Claim 73, wherein the parylene comprises

1		70.	A luminal prostness as in Claim 73, wherein the parylene is
2	nonporous.		
1		77.	A device for intracorporeal use within a patient's body, comprising:
2		an imj	plantable scaffold;
3		at leas	t one source of at least one therapeutic capable agent having a degree of
4	crystallinity le	ess than	about 90 % and associated with the scaffold and configured to release
5	the therapeuti	c capab	le agent within the patient's body; and
6		a rate-	controlling element disposed adjacent at least a portion of the source
7	and being con	ifigured	to control the release of the therapeutic capable agent to the patient's
8	body.		
1		78.	A device as in Claim 77 wherein the therapeutic capable agent has a
2	degree of crys	stallinit	y less than about 50 %.
1		79.	A device for intracorporeal use within a patient's body, comprising:
2		an imp	plantable scaffold;
3		at leas	at one source of at least one therapeutic capable agent associated with the
4	scaffold and o	configu	red to release the therapeutic capable agent at a targeted tissue site within
5	the patient's b	ody; ar	nd
6		a rate-	controlling element disposed adjacent at least a portion of the source
7	and being cor	nfigured	to effectuate a therapeutic capable agent flux density of about 1.71x10-
8	14 ug/(cm ² s)	to abou	t 1.71x10-8 ug/(cm ² s).
1		80.	A device for as in Claim 79 wherein the flux density ranges from about
2	1.71x10-14 u	g/(cm ² s) to about $3.43 \times 10^{-9} \text{ ug/(cm}^2 \text{s})$.
1		81.	A device for as in Claim 79 wherein the flux density ranges from about
2	8.57x10-12 u	g/(cm ² s) to about 3.43x10-9 ug/(cm ² s).
1.		82.	A device for as in Claim 79 wherein the flux density ranges from about
2	1.71x10-11 u	g/(cm ² s) to about 1.03x10-9 ug/(cm ² s).
1		83.	A device for intracorporeal use within a patient's body, comprising:
2		an im	plantable scaffold:

3	at least one source of at least one therapeutic capable agent associated with the				
4	scaffold and configured to release the therapeutic capable agent at a targeted tissue site within				
5	the patient's body; and				
6	a rate-controlling element disposed adjacent at least a portion of the source				
7	and being configured to control the release of the therapeutic capable agent in the patient's				
8	body, the device having a residual stress in an unexpanded state less than about 10%.				
1	84. A device for as in Claim 83 wherein the residual stress is less than				
2	about 5 %.				
1	85. A device for as in Claim 83 wherein the residual stress is less than				
2	about 1%.				
1	86. A device for as in Claim 83 wherein the residual stress is less than				
2	about 0.5%.				
1	87. A method for making a device for intracorporeal use, comprising:				
2	providing an implantable structure having a first residual stress and including				
3	a scaffold; and				
4	at least one source of at least one therapeutic capable agent associated with the				
5	scaffold and configured to release the therapeutic capable agent at a targeted tissue site within				
6	the patient's body;				
7	changing the structure residual stress to a second residual stress;				
8	disposing a rate-controlling element adjacent at least a portion of the source				
9	and being configured to control the release of the therapeutic capable agent in the patient's				
10	body.				
1	88. A method as in Claim 87 wherein the changing step comprises				
1					
2	reducing the residual stress.				
1	89. A method as in Claim 87 wherein the changing step comprises				
2	exposing the structure to ultrasound energy for a period of time.				
1	90. A method as in Claim 87 wherein the changing step comprises				
2	exposing the structure to vibrational energy for a period of time.				

1	,	91.	A method as in Claim 87 wherein the changing step comprises heating
2	the structure to	o a first	temperature for a period of time.
1	•	92.	A method as in Claim 91 wherein the first temperature is less than the
2	melting point	of the th	nerapeutic capable agent.
1		93.	A method as in Claim 91 wherein the first temperature is about the
2	same as the m	elting p	oint of the therapeutic capable agent.
1		94.	A method as in Claim 91 wherein the at least one therapeutic capable
2	agent compris	es a plu	rality of therapeutic capable agents and the first temperature is about the
3	same as the m	elting p	oint of the therapeutic capable agent with the lowest melting point.
	•		
1		95.	A method as in Claim 91 wherein the first temperature is more than the
2	melting point	of the tl	nerapeutic capable agent.
1		96.	A method as in Claim 91 wherein the at least one therapeutic capable
2	agent compris	es a plu	rality of therapeutic capable agents and the first temperature is more
3			t of the therapeutic capable agent with the lowest melting point.
,		ng pom	
1		97.	A method as in Claim 87, 88, 89, 90, 91, 92, 93, or 95 wherein the
2	changing step	is perfo	ormed before the disposing step.
_	orientanta arab	io puite	·
1		98.	A method as in Claim 87, 88, 89, 90, 91, 92, 93, or 95 wherein the
2	changing sten	is perfe	ormed after the disposing.
_	changing stop	Бропс	
1		99.	A method as in Claim 87 wherein the chaning step comprises heating
2	the structure to	o a seco	and temperature for a period of time and is performed after the disposing
3	step.		
ر	stop.		
1		100.	A method as in Claim 99 wherein the heating of the structure to a
2	second temper	rate is p	erformed under vacuum.
	· · · · · ·		

- 1 101. A method as in Claim 99 wherein the heating of the structure to a second temperate is performed in the absence of oxygen.
- 1 102. A method as in Claim 98 wherein the second temperature is less than 2 the glass transition temperature of the rate-controlling element.

1	. •	103.	A method as in Claim 98 wherein the first temperature is about the
2	glass transition temperature of the rate-controlling element.		
1		104.	A method as in Claim 98 wherein the first temperature is more than the
2	glass transitio	n tempe	erature of the rate-controlling element.
1		105.	A method as in Claim 87 wherein the changing step comprises the step
2	of both Claim	s 91 and	
1		106.	A device for intracorporeal use within a patient's body, comprising:
2		an imr	plantable scaffold;
3		•	e one source of at least one therapeutic capable agent associated with
4	the scaffold a		igured to release the therapeutic capable agent within the patient's body;
5	and		
6		a rate-	controlling element layer covering at least a portion of the source and
7	being formed	from a	non-porous material.
	J		
1		107.	A device as in Claim 106, wherein the non-porous material comprises
2	parylene.		
1		108.	A device as in Claim 106, wherein the nonporous material becomes at
2	least partially	porous	when exposed to conditions in the patient's body.
1		109.	A device as in claim 106, wherein the rate-controlling element
2	becomes disri		hen exposed to conditions in the patient's body.
_	occomes dist	.p.c.	
1	•	110.	A device as in Claim 106, wherein the rate-controlling element
2	includes a the	rapeutio	c capable agent.
1		111.	A device as in Claim 110, wherein the therapetuic capable agent in the
2	rate controllin	ıg eleme	ent is the same as the therapeutic capable agent in the source.
1		112.	A device as in claim 106, wherein the nonporous material is selected
2			sting of plasma deposited polymers, sputtered materials, evaporated
3		_	ed metals, electroplated alloys, glow discharge coatings, polyethylenes,
1	nolvairethanes	eilicor	ne rubber cellulose, and narviene